

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A projection display comprising:

an illumination module;

an optical modulator for modulating light incident from the illumination module in response to image data; and

a projection optical system for projecting light emitted from the optical modulator on an enlarged scale,

wherein the illumination module comprises:

~~at least one light source; and~~

a light tunnel in the form of a hollow rectangular pipe having a light reflecting surface formed at the inner walls thereof;

at least one light source, disposed at a first end of the light tunnel, which radiates light;

an optical angle converter which changes a propagation angle of light traveling in the light tunnel; and

a selective transmission member, disposed at a second end of the light tunnel, which transmits light emitted from the light tunnel having an emission angle within a predetermined range in which light can be effectively projected by the projection optical

system and which reflects light having an emission angle outside of the predetermined range.

~~a light recycling unit which causes light emitted from the light source having an emission angle beyond a predetermined range in which light can be effectively projected by the projection optical system to travel within the predetermined range.~~

2. (original): The projection display of claim 1, wherein the light source includes a light emitting diode.

3. (original): The projection display of claim 2, wherein the light source includes a light emitting diode array on which a plurality of light emitting diodes are arranged.

4. (original): The projection display of claim 1, wherein the light source includes an organic electro-luminescence device.

Claims 5-9. (canceled).

10. (currently amended): The projection display of claim 9~~1~~, wherein the optical angle converter is located at an end of the light tunnel on the opposite side of the light source.

Claims 11-13. (canceled).

14. (currently amended): The projection display of claim ~~13~~1, wherein ~~the optical angle selector includes the~~ illumination module further comprises

a polarization member which transmits only light having a polarization that can pass through the optical modulator and reflects other polarizations, when the optical modulator is a transmission-type optical device which permits only light having a predetermined polarization to pass therethrough.

15. (original): The projection display of claim 14, wherein the polarization member is located on an output side of the selective transmission member.

16. (original): The projection display of claim ~~13~~1, wherein ~~the optical angle selector~~ the illumination module further includes ~~comprises~~

a prism sheet on which a prism pattern whose apex is directed toward the optical modulator is formed,

wherein the prism sheet is interposed between the light tunnel and the selective transmission member.

17. (canceled).

18. (currently amended): The projection display of claim 16, wherein ~~the optical angle selector includes~~ illumination module further comprises an anisotropic diffusion member interposed between the ~~integrator~~ light tunnel and the prism sheet and adapted to scatter and then transmit light having an incident angle of about 0 degrees and just transmit light incident at other angles.

Claims 19-20. (canceled).

21. (currently amended): The projection display of claim ~~19~~ 16, wherein ~~the optical angle selector~~ the illumination module further includes comprises a polarization member which transmits only light having a polarization which can pass through the optical modulator and reflects other polarizations, when the optical modulator is a transmission-type optical device which permits only light having a predetermined polarization to pass therethrough.

Claims 22-32. (canceled).

33. (currently amended): ~~A~~ The projection display of claim 1, wherein the illumination module further comprises a reflecting plate positioned proximate to the optical angle converter comprising:

~~a prism;~~

~~a projection optical system positioned proximate to a first side of said prism;~~
~~a plurality of liquid crystal panels having a first side and a second side, wherein the first~~
~~side of the plurality of liquid crystal panels is positioned proximate to opposing sides of the~~
~~prism;~~
~~a plurality of illumination modules, positioned proximate to the second side of the~~
~~plurality of liquid crystal panels, and~~
~~wherein each one of the plurality of illumination modules comprises:~~
~~a light guide;~~
~~at least one light source positioned to emit light incident on an end of the light~~
~~guide;~~
~~an optical angle converter disposed on a bottom surface of the light guide;~~
~~a reflecting plate positioned proximate to the optical angle converter; and~~
~~a selective transmission member positioned proximate to a top surface of the light~~
~~guide.~~

Claims 34-38. (canceled).